UNIVERSITY OF QUEENSLAND

COMPUTER CENTRE

WEEKLY NEWSLETTER

DATE   : WEEK ENDED 17 AUGUST 1972
AUTHORIZATION : DIRECTOR OF THE COMPUTER CENTRE

1.   OPERATIONS

1.1   PDP-10 SYSTEM

MONDAY   14 AUGUST   CORRECTION OF PARITY ERRORS ON ACCOUNTING
                        FILES, AND END OF DAY ACCOUNTING WHICH
                        ABORTED FRIDAY NIGHT, 0930-1800.

TUESDAY   15 AUGUST   DISK PACK MAINTENANCE, 0930-1102
                        SYSTEM LOADING AND SYMBIONT SETUP,
                        1102-1137
                        SYSTEM IN LOOP, 1422, RESTARTED 1430.

THURSDAY   17 AUGUST   END OF DAY ACCOUNTING, WHICH ABORTED
                        TUESDAY NIGHT, 0930-1015.

SCHEDULE FOR FORTHCOMING WEEK: MAINTENANCE 0700-0900
                                 OPERATIONS 0930-2300.

1.2   GE-225 SYSTEM

SCHEDULE FOR FORTHCOMING WEEK: MAINTENANCE 0730-0830, 2000-2130
                                 OPERATIONS 0900-2000, 2130-2400.

2.   NEW MONITOR

A NEW MONITOR WAS IMPLEMENTED ON WEDNESDAY 9 AUGUST. WHILE THIS
MONITOR DOES NOT ALTER THE COMMANDS PRESENTLY IN USE, IT DOES
PROVIDE A VARIETY OF NEW COMMANDS. DOCUMENTATION ON THESE NEW
FACILITIES IS CURRENTLY IN PREPARATION, AND IT IS HOPED TO
RELEASE A SPECIAL NEWSLETTER ON THE NEW COMMANDS BY WEDNESDAY 23
AUGUST.

3. ADVANCED PROGRAMMING COURSE

AN ADVANCED PROGRAMMING COURSE WILL BE CONDUCTED BY THE COMPUTER
CENTRE DURING SEPTEMBER. THE LECTURES WILL BE HELD IN ROOM 214
OF THE ENGINEERING BUILDING FROM 2 - 6 P.M.   ON TUESDAYS AND
THURSDAYS FROM 5 TO 21 SEPTEMBER INCLUSIVE.

TOPICS TO BE DISCUSSED INCLUDE:
      MACHINE ORGANIZATION AND OPERATION
      ADVANCED FORTRAN FEATURES
      NUMBER REPRESENTATION, ERRORS AND ACCURACY
      FILE ORGANIZATION AND PROCESSING
      SORTING TECHNIQUES
      DESIGN, WRITING AND TESTING OF LARGE PROGRAMS

THE CLOSING DATE FOR ENROLMENTS IS 29 AUGUST.

4. SCIENTIFIC SUBROUTINE PACKAGE

A NUMBER OF DOUBLE PRECISION ROUTINES USE A FUNCTION DFLOAT TO
CONVERT FROM INTEGER TO DOUBLE PRECISION. THIS OPERATION IS
HANDLED DIRECTLY BY OUR COMPILER AND IN DUE COURSE THESE ROUTINES
MAY BE MODIFIED TO ELIMINATE THE USE OF A LIBRARY CALL FOR THIS
PURPOSE.

IN THE MEANTIME, IF THE UNDEFINED GLOBAL DFLOAT OCCURS, IT CAN BE
ELIMINATED BY INCORPORATING THE TRIVIAL FUNCTION LISTED BELOW IN
YOUR SOURCE PROGRAM.

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      DOUBLE PRECISION FUNCTION DFLOAT(I)
      DFLOAT=I
      RETURN
      END
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